

ABSTRACT OF THE DISCLOSURE

[0053] A lifter is disclosed which allows for an improved operating envelope of the faceplate. The lifter utilizes a motor having 210 degrees of rotation and lifting arms of a unique geometry to rotate a faceplate from a retracted position below and substantially behind the lifter baseplate to a dumping position above and substantially behind a lower hopper edge for the purpose of dumping refuse carts into a refuse collection vehicle. This dumps refuse further into the vehicle hopper, which minimizes the number of packing cycles required on a collection route. A faceplate is attached to the motor using two lifting arms. The faceplate has a fixed upper hook and a sliding, retractable lower hooking mechanism. This sliding hook feature makes the lifter more compact when retracted and improves ground clearance when the lifter is mounted on the rear of a rear-loading refuse collection vehicle. Longer lifting arms may be substituted to allow for use of the lifter with a side-loading refuse collection vehicle.